NORMAL CHECKLIST

Embraer E170

EMBRAER

SAFETY & POWER ON

Maintenance .....Checked
GPU .....OUT
BATT 1 & BATT 2 .....OFF
DC PUMP & AC PUMPs 1 & 2 ....OFF
WINDSHIELD WIPERs .....OFF
HYD SYS 1,2, PUMPs .....ON
Landing Gear Lever .....DN
POWERPLANT 1&2 .....STOP
Speed Brake Lever .....CLOSE
Thrust Levers .....IDLE
BATT 1 & BATT 2 .....ON
APU GEN .....ON
Elect Pwr/ Air Conditioning ...Establish

PREFLIGHT

Route Waypoints .....Entered
Waypoint Altitudes .....Entered
Cruise Airspeed .....Entered
Cruise OAT (optional) ...Entered (A/R)
Initial Cruise Altitude .....Entered (A/R)
Final Cruise Altitude .....Entered
FInal Cruise Altitude .....Entered (A/R)

BEFORE START

Fuel Quantity .....Verify .._Req, __OB
MCDU .....Verify.....,.....SET
Altimeters .....Verify ....__.__ Set
PASSENGER SIGNS .....ON
Departure Brief.....Completed
RED BCN .....ON
PARKING BRAKE .....Set or OFF
Before Start Checklist .....Completed

ENGINE START UP

AC Power .....AUTO
TRU 1 & 2 .....AUTO
TRU ESS .....AUTO
NAV Lights .....ON
APU .....START
Bleed Air .....APU
Displays on .....Verify .....Checked
Engine 1 & 2 Ignition .....AUTO
Engine 2 .....START [5 seconds]
Engine 1 .....START [5 seconds]
APU .....OFF
Bleed Air .....BOTH
Air Condition Packs .....ON

AFTER START

Flight Controls ....Verify .....Checked
PITCH & TRIM ...Verify ... _._& Green
Takeoff Data .....Verify ..... _,_,_,_,_/_
EICAS .....Checked
Shoulder Harness ...Verify .....ON
Flaps .....Verify .....Set
After Start Checklist .....Completed

TAXI

EICAS.....Verify.....Checked
Brake Temp.....Green
Takeoff Briefing.....Complete
Taxi Checklist.....Complete

BEFORE TAKEOFF

TO MIN Fuel Qan.....Verify
Transponder .....TA/ALL
T/O CONFIG .....Set
Autobrake .....RTO
Speedbrakes .....Armed
Before T/O Checklist.....Completed

AFTER TAKEOFF

Landing Gear .....UP
Flaps .....UP
Climb Thrust .....SET
After Takeoff Checklist ..Completed

CRUISE

Pressurization .....Check
AP .....Check
Thrust.....Check
Instruments .....Check
Seat Belts Sign.....OFF
MCDU.....Check

DECENT

Shoulder Harness ....Verify.....ON
FSTN BELTS.....ON
Altimeters.....Verify.....Set
Landing Data .....Set
ECIAS.....Check
Approach Briefing.....Complete
Decent Checklist .....Complete

- FOR ANY CHANGES PLEASE LOOK CAREFULLY IN THE FLIGHT CREW OPERATING MANUAL

Normal Checklist

Embraer E170

EMBRAER

LANDING

Flight Attendants .....Notified
ECIAS .....Checked
Landing Gear .....Down, 3 Green
Flaps .....Verify..... LDG POS
Speedbrakes .....Armed
Autobrakes .....Verify.....Set
Landing Lights.....ON
Landing Checklist.....Completed

AFTER-LANDING

Transponder.....As Required
Flaps .....UP
APU.....As Required
After Landing Checklist .....Completed

PARKING

PARKING BRAKE.....Set or OFF
Thrust Lever.....IDLE
STOP / RUN / 1 & 2.....STOP
Passenger Signs.....OFF
RED BCN.....OFF
HYDRAULICS.....Set
Parking Checklist .....Complete

SECURING

Chocks.....ON
EXT LT Switches (All).....OFF
GPU/APU.....OFF
BATT 1 & 2.....OFF
Securing Checklist.....Completed

APPROACH AND LANDING PLANNING

The following values should be taken into consideration for approach and landing operations.

Please note that VAP is the Approach Target Speed and it is derived from VREF as follows:

VAP = VREF + Wind correction.

Wind correction = ½ steady headwind component + all of the gust factor.

minimum of 5 knots, and maximum of 20 knots

CLIMB PICH FOR E170

The following values should be taken into consideration for climbing right after takeoff.

FLAP 1	Pitch 10º
FLAP 2	Pitch 10º
FLAP 4	Pitch 9º

FLAP SPEEDS FOR E170

Flap Position	V_{FE} (KIAS)
1	230
2	215
3	200
4	180
5	180
Full	165

EMBRAER 170
Pitch Trim Setting for Takeoff Table

All Weights	CG POSITION (% MAC)										
	7	9	11	13	15	17	19	21	23	25	27
Flap 1	6.0	6.0	5.5	5.0	5.0	4.5	4.0	3.5	3.0	3.0	2.5
Flap 2	6.0	6.0	5.5	5.0	4.5	4.0	3.5	3.5	3.0	2.5	2.0
Flap 4	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0

- Please Follow the Company SOP's for Flaps Selection and Verify From AFM and W/B and Wind and Runway Condition